

## ABSTRACT

The present invention provides liquid injector 100 wherein syringe 210 sucks a liquid from liquid tank 200 in a suck state in which connection switch mechanism 105 connects syringe tube 103 to tank tube 102, and syringe 210 injects the liquid into a patient in an injection state in which connection switch mechanism 105 connects syringe tube 103 to patient tube 101. Since connection switch mechanism 105 blocks patient tube 101 in the suck state, the liquid does not flow back into syringe 210 from the patient. Since tank tube 102 is blocked in the injection state, the liquid does not flow back into liquid tank 200 from syringe 210. Therefore, it is possible to provide liquid injector 100 capable of preventing a backflow of the liquid from the patient to syringe 210 or liquid tank 200 in the structure in which syringe 210 sucks and injects the liquid from liquid tank 200 into the patient.